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OM protein - protein search, using sw model

Run on: January 31, 2002, 14:55:50 ; Search time 12.44 Seconds  
(without alignments)  
23.516 Million cell updates/sec

Title: US-09-483-831B-69\_COPY\_201\_213  
Perfect score: 76  
Sequence: 1 YMRPVYPTKTFN 13

Scoring table:  
BLOSOM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 50 summaries

Database : Issued Patents AA.\*

- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76	100.0	788	1	US-08-346-455B-36
2	76	100.0	788	3	US-08-977-221-36
3	76	100.0	788	5	PCT-US95-06613-36
4	76	100.0	829	1	US-08-346-455B-34
5	76	100.0	829	3	US-08-977-221-34
6	76	100.0	829	5	PCT-US95-06613-34
7	76	100.0	915	1	US-08-346-455B-69
8	76	100.0	915	3	US-08-977-221-69
9	76	100.0	915	5	PCT-US95-06613-69
10	76	100.0	979	1	US-08-346-455B-38
11	76	100.0	979	3	US-08-977-221-38
12	76	100.0	979	5	PCT-US95-06613-38
13	71	93.4	861	1	US-08-346-455B-67
14	71	93.4	861	3	US-08-977-221-67
15	71	93.4	861	5	PCT-US95-06613-67
16	69	90.8	873	3	US-09-187-331-6
17	69	90.8	925	2	US-08-392-946-1
18	69	90.8	925	2	US-08-504-169-1
19	69	90.8	925	5	PCT-US94-14893-1
20	40	52.6	203	3	US-08-684-024-8
21	40	52.6	203	3	US-09-145-868-8
22	40	52.6	205	2	US-08-684-024-1
23	40	52.6	205	2	US-08-684-024-6
24	40	52.6	205	2	US-08-684-024-7
25	40	52.6	205	3	US-09-145-868-1
26	40	52.6	205	3	US-09-145-868-6
27	40	52.6	205	3	US-09-145-868-7

28	38	50.0	438	3	US-09-187-331-2	Sequence 2, Appli
29	37	48.7	49	1	US-07-855-166A-6	Sequence 6, Appli
30	37	48.7	254	2	US-08-207-481-20	Sequence 20, Appli
31	37	48.7	254	5	PCT-US95-02689-20	Sequence 20, Appli
32	37	48.7	264	2	US-08-484-905-120	Sequence 120, App
33	37	48.7	264	3	US-08-481-985B-120	Sequence 120, App
34	37	48.7	264	4	US-08-370-476-120	Sequence 120, App
35	37	48.7	436	1	US-08-080-255-8	Sequence 8, Appli
36	37	48.7	436	3	US-08-465-713-8	Sequence 8, Appli
37	37	48.7	436	5	PCT-US93-05857-8	Sequence 8, Appli
38	37	48.7	1651	4	US-09-540-245A-18	Sequence 18, Appli
39	37	48.7	3969	4	US-08-061-376-5	Sequence 5, Appli
40	36	47.4	309	3	US-08-969-644-20	Sequence 20, Appli
41	36	47.4	309	3	US-08-444-189-20	Sequence 20, Appli
42	36	47.4	309	4	US-08-468-344-20	Sequence 20, Appli
43	36	47.4	359	2	US-08-560-398-10	Sequence 10, Appli
44	36	47.4	516	4	US-09-201-641-6	Sequence 6, Appli
45	36	47.4	707	1	US-08-528-122-18	Sequence 18, Appli
46	36	47.4	707	5	PCT-US95-11720-18	Sequence 18, Appli
47	36	47.4	750	1	US-08-325-553-2	Sequence 2, Appli
48	36	47.4	750	2	US-08-394-152A-2	Sequence 2, Appli
49	36	47.4	750	4	US-09-044-668-2	Sequence 2, Appli
50	35	46.1	325	4	US-09-041-886-33	Sequence 33, Appli

ALIGNMENTS

RESULT 1  
US-08-346-455B-36  
; Sequence 36, Application US/08346455B  
; Patent No. 5731167  
; GENERAL INFORMATION:  
; APPLICANT: UNITED STATES OF AMERICA; DEPT.  
; APPLICANT: OF HEALTH AND HUMAN SERVICES  
; TITLE OF INVENTION: MOTILITY STIMULATING  
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
; TITLE OF INVENTION: THERAPY  
; NUMBER OF SEQUENCES: 69  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: U.S.A.  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/346,455B  
; FILING DATE: 28-NOV-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/06613  
; FILING DATE: 24-MAY-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/249,182  
; FILING DATE: 25-MAY-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/822,043-  
; FILING DATE: 17-JAN-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DOROTHY R. AUTH  
; REGISTRATION NUMBER: 36,434  
; REFERENCE/DOCKET NUMBER: 2026-4149PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 758-4800  
; TELEFAX: (212) 751-6849  
; INFORMATION FOR SEQ ID NO: 36:  
; SEQUENCE CHARACTERISTICS:

*Handwritten signature and notes:*  
"A" (with a checkmark)  
"36" (circled)  
"4149PCT" (circled)

LENGTH: 788  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: Unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE: teratocarcinoma  
CELL LINE: N-tera 2D1  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: N-tera 2D1 putative  
OTHER INFORMATION: ATX protein sequence  
US-08-346-455B-36

Query Match 100.0%; Score 76; DB 1; Length 788;

Best Local Similarity 100.0%; Pred. No. 0.00013; Mismatches 0; Indels 0; Gaps 0;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVPTKTFPN 13  
Db 126 YMRPVPTKTFPN 138

RESULT 2

US-08-977-221-36  
Sequence 36, Application US/08977221  
Patent No. 6084069  
GENERAL INFORMATION:  
APPLICANT: UNITED STATES OF AMERICA; DEPT.  
APPLICANT: OF HEALTH AND HUMAN SERVICES  
TITLE OF INVENTION: MOTILITY STIMULATING  
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
TITLE OF INVENTION: THERAPY  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: U.S.A.  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Wordperfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/977,221  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434

REFERENCE/DOCKET NUMBER: 2026-4149US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 788  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: Unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE: teratocarcinoma  
CELL LINE: N-tera 2D1  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: N-tera 2D1 putative  
OTHER INFORMATION: ATX protein sequence  
US-08-977-221-36

Query Match 100.0%; Score 76; DB 3; Length 788;  
Best Local Similarity 100.0%; Pred. No. 0.00013; Mismatches 0; Indels 0; Gaps 0;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVPTKTFPN 13  
Db 126 YMRPVPTKTFPN 138

RESULT 3

PCT-US95-06613-36  
Sequence 36, Application PC/TUS9506613  
GENERAL INFORMATION:  
APPLICANT: STRACKE, MARY; LIOTTA, LANCE;  
APPLICANT: SCHIFFMANN, ELLIOTT; KRUTZSCH,  
APPLICANT: HENRY; MURATA, JUN  
TITLE OF INVENTION: MOTILITY STIMULATING  
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
TITLE OF INVENTION: THERAPY  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: U.S.A.  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Wordperfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06613  
FILING DATE: 24-MAY-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 07/822,043  
;; FILING DATE: 17-JAN-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: DOROTHY R. AUTH  
;; REGISTRATION NUMBER: 36,434  
;; REFERENCE/DOCKET NUMBER: 2026-4149US2  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 758-4800  
;; TELEFAX: (212) 751-6849  
;; INFORMATION FOR SEQ ID NO: 36:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 788  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: Unknown  
;; MOLECULE TYPE: protein  
;; HYPOTHETICAL: No  
;; ORIGINAL SOURCE:  
;; ORGANISM: Human  
;; STRAIN:  
;; INDIVIDUAL ISOLATE:  
;; DEVELOPMENTAL STAGE:  
;; HAPLOTYPE:  
;; TISSUE TYPE:  
;; CELL TYPE: teratocarcinoma  
;; CELL LINE: N-tera 2D1  
;; ORGANELLE:  
;; FEATURE:  
;; NAME/KEY:  
;; LOCATION:  
;; IDENTIFICATION METHOD:  
;; OTHER INFORMATION: N-tera 2D1 putative  
;; OTHER INFORMATION: ATX protein sequence  
PCT-US95-06613-36

Query Match 100.0%; Score 76; DB 5; Length 788;  
Best Local Similarity 100.0%; Pred. No. 0.00013;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVPTKTFPN 13  
Db 126 YMRPVPTKTFPN 138  
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RESULT 4  
US-08-346-455B-34  
; Sequence 34, Application US/08346455B  
; Patent No. 5731167  
; GENERAL INFORMATION:  
; APPLICANT: UNITED STATES OF AMERICA; DEPT.  
; APPLICANT: OF HEALTH AND HUMAN SERVICES  
; TITLE OF INVENTION: MOTILITY STIMULATING  
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
; TITLE OF INVENTION: THERAPY  
; NUMBER OF SEQUENCES: 69  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: U.S.A.  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/346,455B  
; FILING DATE: 28-NOV-1994  
; CLASSIFICATION: 530

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: PCT/US95/06613  
;; FILING DATE: 24-MAY-1995  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/249,182  
;; FILING DATE: 25-MAY-1994  
;; PRIOR APPLICATION DATA: 07/822,043  
;; FILING DATE: 17-JAN-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: DOROTHY R. AUTH  
;; REGISTRATION NUMBER: 36,434  
;; REFERENCE/DOCKET NUMBER: 2026-4149PCT  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 758-4800  
;; TELEFAX: (212) 751-6849  
;; INFORMATION FOR SEQ ID NO: 34:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 829  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: Unknown  
;; MOLECULE TYPE: protein  
;; HYPOTHETICAL: No  
;; ORIGINAL SOURCE:  
;; ORGANISM: Human  
;; STRAIN:  
;; INDIVIDUAL ISOLATE:  
;; DEVELOPMENTAL STAGE:  
;; HAPLOTYPE:  
;; TISSUE TYPE:  
;; CELL TYPE: Melanoma  
;; CELL LINE: A2058  
;; ORGANELLE:  
;; FEATURE:  
;; NAME/KEY:  
;; LOCATION:  
;; IDENTIFICATION METHOD:  
;; OTHER INFORMATION: Putative protein  
;; OTHER INFORMATION: sequence of A2058 Autotaxin  
US-08-346-455B-34

Query Match 100.0%; Score 76; DB 1; Length 829;  
Best Local Similarity 100.0%; Pred. No. 0.00013;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVPTKTFPN 13  
Db 115 YMRPVPTKTFPN 127  
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RESULT 5  
US-08-977-221-34  
; Sequence 34, Application US/08977221  
; Patent No. 6084069  
; GENERAL INFORMATION:  
; APPLICANT: UNITED STATES OF AMERICA; DEPT.  
; APPLICANT: OF HEALTH AND HUMAN SERVICES  
; TITLE OF INVENTION: MOTILITY STIMULATING  
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
; TITLE OF INVENTION: THERAPY  
; NUMBER OF SEQUENCES: 69  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: U.S.A.  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/977,221  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434  
REFERENCE/DOCKET NUMBER: 2026-4149US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 829  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE: Melanoma  
CELL LINE: A2058  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: Putative protein  
OTHER INFORMATION: sequence of A2058 Autotaxin  
US-08-977-221-34

Query Match 100.0%; Score 76; DB 3; Length 829;  
Best Local Similarity 100.0%; Pred. No. 0.00013;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVPTKTPN 13  
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Db 115 YMRPVPTKTPN 127

RESULT 6  
PCT-US95-06613-34  
Sequence 34, Application PC/TUS9506613  
GENERAL INFORMATION:  
APPLICANT: STRACKE, MARY; LIOTTA, LANCE;  
APPLICANT: SCHIFFMANN, ELLIOTT; KRUTZSCH,  
APPLICANT: HENRY; MURATA, JUN  
TITLE OF INVENTION: MOTILITY STIMULATING  
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
TITLE OF INVENTION: THERAPY  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVENUE  
CITY: NEW YORK

STATE: NEW YORK  
COUNTRY: U.S.A.  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06613  
FILING DATE: 24-MAY-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434  
REFERENCE/DOCKET NUMBER: 2026-4149US2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 829  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE: Melanoma  
CELL LINE: A2058  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: Putative protein  
OTHER INFORMATION: sequence of A2058 Autotaxin  
PCT-US95-06613-34

Query Match 100.0%; Score 76; DB 5; Length 829;  
Best Local Similarity 100.0%; Pred. No. 0.00013;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVPTKTPN 13  
|||||

Db 115 YMRPVPTKTPN 127

RESULT 7  
US-08-346-455B-69  
Sequence 69, Application US/08346455B  
Patent No. 5731167  
GENERAL INFORMATION:  
APPLICANT: UNITED STATES OF AMERICA; DEPT.  
APPLICANT: OF HEALTH AND HUMAN SERVICES  
TITLE OF INVENTION: MOTILITY STIMULATING  
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND



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; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,455
; FILING DATE: 28-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 915
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: A2058 ATX protein
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
PCT-US95-06613-69

Query Match 100.0%; Score 76; DB 5; Length 915;
Best Local Similarity 100.0%; Pred. No. 0.00015;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTFPN 13
Db 201 YMRPVYPTKTFPN 213

RESULT 10
US-08-346-455B-38
; Sequence 38, Application US/08346455B
; Patent No. 5731167
; GENERAL INFORMATION:
; APPLICANT: UNITED STATES OF AMERICA; DEPT.
; APPLICANT: OF HEALTH AND HUMAN SERVICES
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/346,455B
; FILING DATE: 28-NOV-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 979
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Human
; STRAIN:
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE:
; HAPLOTYPE:
; TISSUE TYPE: Liver
; CELL TYPE:
; CELL LINE:
; ORGANELLE:
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: putative autotaxin
; OTHER INFORMATION: protein sequence from human liver
US-08-346-455B-38

Query Match 100.0%; Score 76; DB 1; Length 979;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTFPN 13
Db 201 YMRPVYPTKTFPN 213

RESULT 11
US-08-977-221-38
; Sequence 38, Application US/08977221
; Patent No. 6084069
; GENERAL INFORMATION:
; APPLICANT: UNITED STATES OF AMERICA; DEPT.
; APPLICANT: OF HEALTH AND HUMAN SERVICES
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154

```

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/977,221  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434  
REFERENCE/DOCKET NUMBER: 2026-4149US3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 979  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: No  
ORIGINAL SOURCE:  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE: Liver  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: putative autotoxin  
OTHER INFORMATION: protein sequence from human liver  
US-08-977-221-38

Query Match 100.0%; Score 76; DB 3; Length 979;  
Best Local Similarity 100.0%; Pred. No. 0.00016;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTFPN 13  
|||||

Db 201 YMRPVYPTKTFPN 213

RESULT 12  
PCT-US95-06613-38  
Sequence 38, Application PC/TUS9506613  
GENERAL INFORMATION:  
APPLICANT: STRACKE, MARY; LIOTTA, LANCE;  
APPLICANT: SCHIFFMANN, ELLIOTT; KRUTZSCH,  
APPLICANT: HENRY; MURATA, JUN  
TITLE OF INVENTION: MOTILITY STIMULATING  
TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
TITLE OF INVENTION: THERAPY  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:

ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: U.S.A.  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06613  
FILING DATE: 24-MAY-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/346,455  
FILING DATE: 28-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434  
REFERENCE/DOCKET NUMBER: 2026-4149US2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 979  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
HYPOTHETICAL: No  
ORIGINAL SOURCE:  
ORGANISM: Human  
STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE: Liver  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: putative autotoxin  
OTHER INFORMATION: protein sequence from human liver  
PCT-US95-06613-38

Query Match 100.0%; Score 76; DB 5; Length 979;  
Best Local Similarity 100.0%; Pred. No. 0.00016;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTFPN 13  
|||||

Db 201 YMRPVYPTKTFPN 213

RESULT 13  
US-08-346-455B-67  
Sequence 67, Application US/08346455B  
Patent No. 5731167  
GENERAL INFORMATION:  
APPLICANT: UNITED STATES OF AMERICA; DEPT.

```
; APPLICANT: OF HEALTH AND HUMAN SERVICES
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,455B
; FILING DATE: 28-NOV-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 751-6849
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 861
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: N-tera 2D1 ATX protein
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
;
US-08-346-455B-67

Query Match 93.4%; Score 71; DB 1; Length 861;
Best Local Similarity 92.3%; Pred. No. 0.00088;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKTFPN 13
Db 201 HMRPVYPTKTFPN 213

RESULT 14
US-08-977-221-67
; Sequence 67, Application US/08977221
; Patent No. 6084069
; GENERAL INFORMATION:
; APPLICANT: UNITED STATES OF AMERICA; DEPT.
; APPLICANT: OF HEALTH AND HUMAN SERVICES
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 69
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,221
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,455
; FILING DATE: 28-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 751-6849
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 861
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: N-tera 2D1 ATX protein
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
;
US-08-977-221-67

Query Match 93.4%; Score 71; DB 3; Length 861;
Best Local Similarity 92.3%; Pred. No. 0.00088;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKTFPN 13
Db 201 HMRPVYPTKTFPN 213

RESULT 15
PCT-US95-06613-67
; Sequence 67, Application PC/TUS9506613
; GENERAL INFORMATION:
; APPLICANT: STRACKE, MARY; LIOTTA, LANCE;
; APPLICANT: SCHIFFMANN ELLIOTT; KRUTZSCH,
; APPLICANT: HENRY; MURATA, JUN
; TITLE OF INVENTION: MOTILITY STIMULATING
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
```



```
; COUNTRY: U.S.A.
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06613
; FILING DATE: 24-MAY-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,455
; FILING DATE: 28-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/249,182
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/822,043
; FILING DATE: 17-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4149US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 861
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Unknown
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: N-tera 2D1 ATX protein
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PCT-US95-06613-67

Query Match 93.4%; Score 71; DB 5; Length 861;
Best Local Similarity 92.3%; Pred. No. 0.00088;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YMRPVPTKTFPN 13
Db 201 HMRPVPTKTFPN 213

RESULT 16
US-09-187-331-6
; Sequence 6, Application US/09187331
; Patent No. 6043056
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Maria R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/187,331
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 873
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
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; OTHER INFORMATION: g189650
; US-09-187-331-6

Query Match 90.8%; Score 69; DB 3; Length 873;
Best Local Similarity 100.0%; Pred. No. 0.0019;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 MRPVPTKTFPN 13
Db 196 MRPVPTKTFPN 207

RESULT 17
US-08-392-946-1
; Sequence 1, Application US/08392946
; Patent No. 5939269
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: The Regents of the University of California
; APPLICANT: Goldfine, Ira D.
; APPLICANT: Grupe, Andrew
; APPLICANT: Maddux, Betty A.
; APPLICANT: Spencer, Steven
; APPLICANT: Stewart, Timothy A.
; TITLE OF INVENTION: Antagonists to Insulin Receptor Tyrosine
; TITLE OF INVENTION: Kinase Inhibitor
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA: US/08/392,946
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/182241
; FILING DATE: 14-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Kubinec, Jeffrey S.
; REGISTRATION NUMBER: 36,575
; REFERENCE/DOCKET NUMBER: P0875p1PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-8228
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 925 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-392-946-1

Query Match 90.8%; Score 69; DB 2; Length 925;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 MRPVPTKTFPN 13
Db 248 MRPVPTKTFPN 259

RESULT 18
US-08-504-169-1
```

; Sequence 1, Application US/08504169  
; Patent No. 5968508  
; GENERAL INFORMATION:  
; APPLICANT: Goldfine, Ira  
; APPLICANT: Grupe, Andrew  
; APPLICANT: Henzel, William  
; APPLICANT: Maddox, Betty  
; APPLICANT: Spencer, Steven  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Harrison, Denise M.  
; TITLE OF INVENTION: Antibodies to Insulin Receptor Tyrosine Kinase Activation Inhi  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/504,169  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/14893  
; FILING DATE: 28-Dec-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/182241  
; FILING DATE: 14-Jan-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kudinec, Jeffrey S.  
; REGISTRATION NUMBER: 36,575  
; REFERENCE/DOCKET NUMBER: P0875P2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-8228  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 925 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; US-08-504-169-1

Query Match 90.8%; Score 69; DB 2; Length 925;  
Best Local Similarity 100.0%; Pred. No. 0.002;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 MRPVPTKTFPN 13  
Db 248 MRPVPTKTFPN 259

RESULT 19  
PCT-US94-14893-1  
; Sequence 1, Application PC/TUS9414893  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: The Regents of the University of California  
; APPLICANT: Goldfine, Ira D.  
; APPLICANT: Grupe, Andrew  
; APPLICANT: Maddux, Betty A.  
; APPLICANT: Spencer, Steven  
; APPLICANT: Stewart, Timothy A.  
; TITLE OF INVENTION: Antagonists to Insulin Receptor Tyrosine Kinase Inhibitor  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/14893  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/182241  
; FILING DATE: 14-JAN-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kudinec, Jeffrey S.  
; REGISTRATION NUMBER: 36,575  
; REFERENCE/DOCKET NUMBER: 875PIPCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE:  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 925 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; PCT-US94-14893-1

Query Match 90.8%; Score 69; DB 5; Length 925;  
Best Local Similarity 100.0%; Pred. No. 0.002;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 MRPVPTKTFPN 13  
Db 248 MRPVPTKTFPN 259

RESULT 20  
US-08-684-024-8  
; Sequence 8, Application US/08684024  
; Patent No. 5834298  
; GENERAL INFORMATION:  
; APPLICANT: Benezra, Robert  
; TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/684,024  
; FILING DATE: 19-JUL-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 1747/46621-A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400

; TEL/FAX: (212) 391-0526  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 203 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-684-024-8

Query Match 52.6%; Score 40; DB 2; Length 203;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTF 11  
| | :||:|  
Db 32 YQGIYPSETF 42

RESULT 21  
US-09-145-868-8  
; Sequence 8, Application US/09145868  
; Patent No. 6096522  
; GENERAL INFORMATION:  
; APPLICANT: Beneza, Robert  
; TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/145,868  
; FILING DATE: 02-SEP-1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 1747/46621-B

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0526  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 203 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-145-868-8

Query Match 52.6%; Score 40; DB 3; Length 203;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTF 11  
| | :||:|  
Db 32 YQGIYPSETF 42

RESULT 22  
US-08-684-024-1  
; Sequence 1, Application US/08684024

; Patent No. 5834298  
; GENERAL INFORMATION:  
; APPLICANT: Beneza, Robert  
; TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/684,024  
; FILING DATE: 19-JUL-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 1747/46621-A

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0526  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 205 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-684-024-1

Query Match 52.6%; Score 40; DB 2; Length 205;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTF 11  
| | :||:|  
Db 33 YQGIYPSETF 43

RESULT 23  
US-08-684-024-6  
; Sequence 6, Application US/08684024  
; Patent No. 5834298  
; GENERAL INFORMATION:  
; APPLICANT: Beneza, Robert  
; TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/684,024  
; FILING DATE: 19-JUL-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.

REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 1747/46621-A  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0526  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-684-024-6

Query Match 52.6%; Score 40; DB 2; Length 205;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKTF 11  
| | :||:|  
Db 33 YQGIYPSETF 43

RESULT 24  
US-08-684-024-7  
Sequence 7, Application US/08684024  
Patent No. 5834298  
GENERAL INFORMATION:  
APPLICANT: Benezra, Robert  
TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/684,024  
FILING DATE: 19-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 1747/46621-A  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0526  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-684-024-7

Query Match 52.6%; Score 40; DB 2; Length 205;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKTF 11  
| | :||:|  
Db 33 YQGIYPSETF 43

RESULT 25  
US-09-145-868-1  
Sequence 1, Application US/09145868  
Patent No. 6096522  
GENERAL INFORMATION:  
APPLICANT: Benezra, Robert  
TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,868  
FILING DATE: 02-SEP-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 1747/46621-B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 278-0400  
TELEFAX: (212) 391-0526  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 205 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-145-868-1

Query Match 52.6%; Score 40; DB 3; Length 205;  
Best Local Similarity 54.5%; Pred. No. 18;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKTF 11  
| | :||:|  
Db 33 YQGIYPSETF 43

RESULT 26  
US-09-145-868-6  
Sequence 6, Application US/09145868  
Patent No. 6096522  
GENERAL INFORMATION:  
APPLICANT: Benezra, Robert  
TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,868  
FILING DATE: 02-SEP-1998

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; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 1747/46621-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-145-868-6

Query Match 52.6%; Score 40; DB 3; Length 205;
Best Local Similarity 54.5%; Pred. No. 18;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTF 11
| | :||:||||
Db 33 YRGIVPSETF 43

RESULT 27
US-09-145-868-7
; Sequence 7, Application US/09145868
; Patent No. 6096522.
; GENERAL INFORMATION:
; APPLICANT: Beneza, Robert
; TITLE OF INVENTION: GENE ENCODING THE HUMAN HOMOLOG OF MAD2
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/145,868
; FILING DATE: 02-SEP-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 1747/46621-B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-145-868-7

Query Match 52.6%; Score 40; DB 3; Length 205;
Best Local Similarity 54.5%; Pred. No. 18;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTF 11
| | :||:||||

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Db 33 YRGIVPSETF 43

RESULT 28
US-09-187-331-2
; Sequence 2, Application US/09187331
; Patent No. 6043056
; GENERAL INFORMATION:
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Gorgone, Gina A.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: CELL SURFACE GLYCOPROTEINS
; FILE REFERENCE: PF-0631 US
; CURRENT APPLICATION NUMBER: US/09/187,331
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: 2705267
; US-09-187-331-2

Query Match 50.0%; Score 38; DB 3; Length 438;
Best Local Similarity 38.5%; Pred. No. 86;
Matches 5; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 YMRPVYPTKTFPN 13
| | :||:||||
Db 62 YLTPDFPSLSYPN 74

RESULT 29
US-07-865-166A-6
; Sequence 6, Application US/07865166A
; Patent No. 5294543.
; GENERAL INFORMATION:
; APPLICANT: Lerner, Ethan A.
; APPLICANT: Lerner, Michael R.
; TITLE OF INVENTION: NOVEL INHIBITOR OF PLATELET
; TITLE OF INVENTION: AGGREGATION
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
; SOFTWARE: WordPerfect (Version 5.0)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/865,166A
; FILING DATE: 19920408
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/120001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906

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; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 49  
; TYPE: AMINO ACID  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-07-863-166A-6

Query Match 48.7%; Score 37; DB 1; Length 49;  
Best Local Similarity 40.0%; Pred. No. 12;  
Matches 10; Conservative 0; Mismatches 3; Indels 12; Gaps 1;

Oy 1 YMRPVYPT-----KTPPN 13  
| | | | |  
Db 10 YMRPVYKGTSSPAEKICIKDKTFKN 34  
| | | | |

## RESULT 30

US-08-207-481-20  
; Sequence 20, Application US/08207481  
; Patent No. 5820866

; GENERAL INFORMATION:  
; APPLICANT: Kappier, John W.  
; APPLICANT: Marrack, Philippa  
; TITLE OF INVENTION: PRODUCT AND PROCESS FOR T CELL  
; TITLE OF INVENTION: REGULATION  
; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SHERIDAN ROSS & MCINTOSH  
; STREET: 1700 LINCOLN STREET, SUITE 3500  
; CITY: DENVER  
; STATE: COLORADO  
; COUNTRY: USA  
; ZIP: 80202

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/207,481  
; FILING DATE: 04-MAR-1994

## CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
; NAME: Kovarik, Joseph E.  
; REGISTRATION NUMBER: 33,005  
; REFERENCE/DOCKET NUMBER: 2879-8

## TELECOMMUNICATION INFORMATION:

; TELEPHONE: 303/863-9700

; TELEFAX: 303/863-0223

## INFORMATION FOR SEQ ID NO: 20:

## SEQUENCE CHARACTERISTICS:

; LENGTH: 254 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-207-481-20

Query Match 48.7%; Score 37; DB 2; Length 254;  
Best Local Similarity 87.5%; Pred. No. 70;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 5 VYPTKTEP 12  
| | | | |

Db 157 VYPTKTOP 164  
| | | | |

Search completed: January 31, 2002, 14:57:58  
Job time: 128 Sec



GenCore version 4.5  
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 31, 2002, 14:57:25 ; Search time 12.53 Seconds  
(without alignments)  
23.347 Million cell updates/sec

Title: US-09-483-831B-69\_COPY\_201\_213  
Perfect score: 76  
Sequence: 1 YMRPVPTKTFPN 13

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues 79885

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 13

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 50 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A-COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B-COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	27	35.5	10	6	Patent No. 5202236
2	27	35.5	12	4	US-08-847-065-9
3	26	34.2	10	4	US-08-602-999A-273
4	26	34.2	11	4	US-08-602-999A-283
5	25	32.9	8	3	US-08-890-129-3
6	25	32.9	9	1	US-08-122-546-2
7	25	32.9	9	1	US-08-764-938-2
8	25	32.9	9	3	US-09-131-052-2
9	25	32.9	9	4	US-09-131-053A-2
10	25	32.9	12	1	US-08-122-546-3
11	25	32.9	12	2	US-08-764-938-3
12	25	32.9	12	3	US-09-131-052-3
13	25	32.9	12	4	US-09-131-053A-3
14	25	32.9	12	5	PCT-US93-11703-60
15	24	31.6	8	3	US-08-718-905-8
16	24	31.6	8	4	US-09-550-497-8
17	24	31.6	9	1	US-08-178-570-36
18	24	31.6	9	2	US-08-340-283-81
19	24	31.6	9	3	US-08-369-643-36
20	24	31.6	9	5	PCT-US95-00147-36
21	24	31.6	10	1	US-08-230-047-11
22	24	31.6	11	1	US-08-336-343A-26
23	24	31.6	11	3	US-09-075-257A-5
24	24	31.6	11	4	US-08-652-877-23
25	24	31.6	11	4	US-08-476-515A-23
26	24	31.6	11	4	US-09-534-639-5
27	24	31.6	12	1	US-08-219-878A-3

28	24	31.6	12	4	US-08-602-999A-268	Sequence 268, App
29	24	31.6	12	5	PCT-US93-04329-3	Sequence 3, Appli
30	24	31.6	13	1	US-08-346-455B-32	Sequence 32, Appli
31	24	31.6	13	2	US-09-024-198-17	Sequence 17, Appl
32	24	31.6	13	2	US-09-186-409-17	Sequence 17, Appl
33	24	31.6	13	3	US-08-977-221-32	Sequence 32, Appl
34	24	31.6	13	4	US-08-847-844A-11	Sequence 11, Appl
35	24	31.6	13	4	US-09-001-984C-8	Sequence 8, Appli
36	24	31.6	13	4	US-09-001-984C-20	Sequence 20, Appl
37	24	31.6	13	5	PCT-US95-06613-32	Sequence 32, Appl
38	23	30.9	11	2	US-08-769-745-25	Sequence 25, Appl
39	23	30.3	9	2	US-08-340-283-138	Sequence 138, App
40	23	30.3	9	4	US-09-510-738A-74	Sequence 74, Appl
41	23	30.3	9	4	US-09-510-738A-186	Sequence 186, App
42	23	30.3	10	1	US-08-219-878A-2	Sequence 2, Appli
43	23	30.3	10	5	PCT-US93-04329-2	Sequence 2, Appli
44	23	30.3	12	2	US-08-811-492-143	Sequence 143, App
45	23	30.3	12	4	US-09-502-600-29	Sequence 29, Appl
46	23	30.3	13	2	US-08-660-789-3	Sequence 3, Appli
47	23	30.3	13	4	US-09-074-114-3	Sequence 3, Appli
48	23	30.3	13	4	US-08-602-999A-91	Sequence 91, Appl
49	23	30.3	13	4	US-09-001-984C-9	Sequence 9, Appli
50	23	30.3	13	4	US-09-001-984C-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1  
5202236-16  
Patent No. 5202236  
APPLICANT: MAUGH, KATHY J.; ANDERSON, DAVID M.; STRAUSBERG, SUSAN L.; MCCANDLISS, RUSS; WEI, TENA; FILPULA, DAVID  
TITLE OF INVENTION: METHOD OF PRODUCING BIOADHESIVE PROTEIN  
NUMBER OF SEQUENCES: 39  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/528,762  
FILING DATE: 25-MAY-1990  
APPLICATION NUMBER: 82,456  
FILING DATE: 07-AUG-1987  
APPLICATION NUMBER: 933,945  
FILING DATE: 24-NOV-1986  
APPLICATION NUMBER: 650,128  
FILING DATE: 13-SEP-1984  
SEQ ID NO:16  
LENGTH: 10  
5202236-16

Query Match 35.5%; Score 27; DB 6; Length 10;  
Best Local Similarity 57.1%; Pred. No. 90;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 7 PTKTFPN 13  
Db 1 PKKTPS 7

RESULT 2  
US-08-847-065-9  
Sequence 9, Application US/08847065  
Patent No. 6245335  
GENERAL INFORMATION:  
APPLICANT: Masure, H. Robert  
APPLICANT: Rosenow, Carsten I.  
APPLICANT: Tuomannen, Elaine  
APPLICANT: Wizemann, Theresa M.  
TITLE OF INVENTION: CHOLINE BINDING PROTEINS FOR ANTI-PNEUMOCOCCAL VACCINES  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.



STREET: 411 Hackensack Ave, Continental Plaza, 4th  
CITY: Floor  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/847,065  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-158  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
DESCRIPTION: CBP112-Int1  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-847-065-9

Query Match 35.5%; Score 27; DB 4; Length 12;  
Best Local Similarity 66.7%; Pred. No. 1.1e+02;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 6 YPTKTF 11.  
||| |  
Db 6 YPTNTY 11

RESULT 3  
US-08-602-999A-273  
; Sequence 273, Application US/08602999A  
; Patent No. 6184205  
; GENERAL INFORMATION:  
; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: KAY, Brian K.  
; APPLICANT: THORN, Judith M.  
; APPLICANT: QUILLIAM, Lawrence A.  
; APPLICANT: DER, Channing J.  
; APPLICANT: FOWLKES, Dana M.  
; APPLICANT: RIDER, James E.  
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
; NUMBER OF SEQUENCES: 467  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/602,999A

FILING DATE: 16-FEB-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 1101-202  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 273:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-602-999A-273  
Query Match 34.2%; Score 26; DB 4; Length 10;  
Best Local Similarity 71.4%; Pred. No. 1.3e+02;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 PVYPTKT 10  
| | | | |  
Db 3 PELEPTKT 9

RESULT 4  
US-08-602-999A-283  
; Sequence 283, Application US/08602999A  
; Patent No. 6184205  
; GENERAL INFORMATION:  
; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: KAY, Brian K.  
; APPLICANT: THORN, Judith M.  
; APPLICANT: QUILLIAM, Lawrence A.  
; APPLICANT: DER, Channing J.  
; APPLICANT: FOWLKES, Dana M.  
; APPLICANT: RIDER, James E.  
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
; NUMBER OF SEQUENCES: 467  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/602,999A  
; FILING DATE: 16-FEB-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mistrock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 1101-202  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 283:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 11 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide

US-08-662-999A-283

Query Match 34.2%; Score 26; DB 4; Length 11;  
Best Local Similarity 71.4%; Pred. No. 1.4e+02;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 PVYPTKT 10  
| | | | |  
Db 4 PELPTKT 10

## RESULT 5

US-08-890-129-3  
; Sequence 3, Application US/08890129  
; Patent No. 6008324

## ; GENERAL INFORMATION:

; APPLICANT: GIBBS JUAN, TOMAS  
; APPLICANT: FERRERAS RODRIGUEZ, JOSE M.  
; APPLICANT: IGLESIAS ALVAREZ, ROSARIO  
; APPLICANT: CITORES GONZALEZ, LUCIA  
; APPLICANT: ARIAS VALLEJO, FRANCISCO J.  
; APPLICANT: ROJO RODRIGUEZ, MA ANGELES  
; APPLICANT: MUNOZ MARTINEZ, RAQUEL  
; APPLICANT: JIMINEZ LOPEZ, PILAR

; APPLICANT: MARTINEZ DE BENITO, FERNANDO

; TITLE OF INVENTION: NON-TOXIC RIBOSOME INACTIVATING  
; TITLE OF INVENTION: PROTEINS (RIPS) WITH TWO CHAINS,  
; TITLE OF INVENTION: PROCESS FOR THE PREPARATION  
; TITLE OF INVENTION: THEREOF AND APPLICATIONS

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: DARBY &amp; DARBY P.C.

; STREET: 805 Third Avenue

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION NUMBER: US/08/890,129

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/332,595

; FILING DATE: 28-OCT-1994

; ATTORNEY/AGENT INFORMATION:

; NAME: LERCH, JOSEPH B.

; REGISTRATION NUMBER: 26,936

; REFERENCE/DOCKET NUMBER: 7723/0A486

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 527-7700

; TELEFAX: (212) 753-6237

; TELEX: 236687

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 8 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; FRAGMENT TYPE: N-terminal

; ORGANISM: Sambucus nigra

; IMMEDIATE SOURCE:

; CLONE: Base Nigrin 1, Chain B

; FEATURE:

;

;

;

;

;

;

;

;

;

; NAME/KEY: Peptide

; LOCATION: 1..8

; OTHER INFORMATION: /product= "OTHER"

; OTHER INFORMATION: /note= "Xaa at position 3 represents any amino acid. Xaa a

; OTHER INFORMATION: position 7 represents any amino acid. Xaa at position 8

; OTHER INFORMATION: represents any amino acid."

; US-08-890-129-3

Query Match 32.9%; Score 25; DB 3; Length 8;

Best Local Similarity 80.0%; Pred. No. 1.6e+05;

Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 PVYPT 8

| | | |

Db 2 PXYPT 6

## RESULT 6

US-08-122-546-2

; Sequence 2, Application US/08122546

; Patent No. 5591593

; GENERAL INFORMATION:

; APPLICANT: Courtenay-Luck, Nigel S

; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN

; TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY

; NUMBER OF SEQUENCES: 18

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Jules E Goldberg, Esq.

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10016

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/122,546

; FILING DATE: 09/29/93

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24,408

; REFERENCE/DOCKET NUMBER: JG-EPC-1069PCT

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 986-4090

; TELEFAX: (212) 818-9479

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; FRAGMENT TYPE: internal

; US-08-122-546-2

Query Match 32.9%; Score 25; DB 1; Length 9;

Best Local Similarity 80.0%; Pred. No. 1.6e+05;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PTKTF 11

| | | | |

Db 3 PTKTF 7

## RESULT 7

US-08-764-938-2  
; Sequence 2, Application US/08764938  
; Patent No. 5833943  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
; TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/764,938  
; FILING DATE: December 13, 1996  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069PCT/C  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-08-764-938-2

Query Match 32.9%; Score 25; DB 2; Length 9;  
Best Local Similarity 80.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 PTKTF 11  
Db 3 PRTTF 7

RESULT 8  
US-09-131-052-2  
; Sequence 2, Application US/09131052  
; Patent No. 6107469  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
; TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/131,052  
; FILING DATE: August 7, 1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069C-2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-09-131-052-2

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/131,052  
; FILING DATE: August 7, 1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069C-3  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-09-131-052-2

Query Match 32.9%; Score 25; DB 3; Length 9;  
Best Local Similarity 80.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 PTKTF 11  
Db 3 PRTTF 7

RESULT 9  
US-09-131-053A-2  
; Sequence 2, Application US/09131053A  
; Patent No. 6174691  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
; TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/131,053A  
; FILING DATE: August 7, 1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069C-2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-09-131-053A-2

US-09-131-053A-2

Query Match 32.9%; Score 25; DB 4; Length 9;  
Best Local Similarity 80.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PKTFF 11  
Db 3 PRTFF 7

RESULT 10  
US-08-122-546-3  
; Sequence 3, Application US/08122546  
; Patent No. 5591593  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/122,546  
; FILING DATE: 09/29/93  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24,408  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069PCT  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal

US-08-122-546-3

Query Match 32.9%; Score 25; DB 1; Length 12;  
Best Local Similarity 80.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PKTFF 11  
Db 4 PRTFF 8

RESULT 11  
US-08-764-938-3  
; Sequence 3, Application US/08764938  
; Patent No. 5833943  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN

; TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/764,938  
; FILING DATE: December 13, 1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REFERENCE/DOCKET NUMBER: JG-EPC-1069PCT/C  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 986-4090  
; TELEFAX: (212) 818-9479  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
; APPLICATION NUMBER: US-08-764-938-3

Query Match 32.9%; Score 25; DB 2; Length 12;  
Best Local Similarity 80.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PKTFF 11  
Db 4 PRTFF 8

RESULT 12  
US-09-131-052-3  
; Sequence 3, Application US/09131052  
; Patent No. 6107469  
; GENERAL INFORMATION:  
; APPLICANT: Courtenay-Luck, Nigel S  
; TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jules E Goldberg, Esq.  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/131,052  
; FILING DATE: August 7, 1998  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E

REFERENCE/DOCKET NUMBER: JG-EPC-1069C-3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 986-4090  
TELEFAX: (212) 818-9479  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-09-131-052-3

Query Match 32.9%; Score 25; DB 3; Length 12;  
Best Local Similarity 80.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PTKTF 11  
||:|  
Db 4 PTRTF 8

RESULT 13  
US-09-131-053A-3  
Sequence 3, Application US/09131053A  
Patent No. 6174691  
GENERAL INFORMATION:  
APPLICANT: Courtenay-Luck, Nigel S  
TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN  
TITLE OF INVENTION: TANDDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Jules E Goldberg, Esq.  
STREET: 261 Madison Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/131.053A  
FILING DATE: August 7, 1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REFERENCE/DOCKET NUMBER: JG-EPC-1069C-2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 986-4090  
TELEFAX: (212) 818-9479  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-09-131-053A-3

Query Match 32.9%; Score 25; DB 4; Length 12;  
Best Local Similarity 80.0%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 PTKTF 11  
||:|  
Db 4 PTRTF 8

RESULT 14  
PCT-US93-11703-60  
Sequence 60, Application PC/TUS9311703  
GENERAL INFORMATION:  
APPLICANT: Chiron Mimotopes Pty. Ltd.  
TITLE OF INVENTION: T-Cell Epitopes  
NUMBER OF SEQUENCES: 75  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Grant D. Green  
STREET: 4560 Horton St.  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/11703  
FILING DATE: 28-DEC-1993  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/984,852  
FILING DATE: 02-DEC-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Green, Grant D.  
REGISTRATION NUMBER: 31,259  
REFERENCE/DOCKET NUMBER: 0222.101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2706  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 60:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PCT-US93-11703-60

Query Match 32.9%; Score 25; DB 5; Length 12;  
Best Local Similarity 57.1%; Pred. No. 2.3e+02;  
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 YMRVPYP 7  
||:|  
Db 4 YMQHTYP 10

RESULT 15  
US-08-718-905-8  
Sequence 8, Application US/08718905  
Patent No. 6063756  
GENERAL INFORMATION:  
APPLICANT: Donovan, William P.  
APPLICANT: Donovan, Judith C.  
APPLICANT: Slaney, Annette C.  
TITLE OF INVENTION: BACILLUS THURINGIENSIS CRYET33 AND CRYET34  
TITLE OF INVENTION: COMPOSITIONS AND USES THEREFOR  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston

STATE: Texas  
COUNTRY: United States of America  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/718,905  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Kitchell, Barbara S.  
REGISTRATION NUMBER: 33,928  
REFERENCE/DOCKET NUMBER: MOBT:003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000  
TELEFAX: (512) 474-7577  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-718-905-8

Query Match 31.6%; Score 24; DB 3; Length 8;  
Best Local Similarity 66.7%; Pred. No. 1.6e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 YMRPVY 6  
II: II  
DB 1 YMKVEY 6

RESULT 16  
US-09-550-497-8  
Sequence 8, Application US/09550497  
Patent No. 6248536  
GENERAL INFORMATION:  
APPLICANT: Donovan, William P.  
Donovan, Judith C.  
Slaney, Annette C.  
TITLE OF INVENTION: BACILLUS THURINGIENSIS CRYET33 AND CRYET34  
COMPOSITIONS AND USES THEREFOR  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: United States of America  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/550,497  
FILING DATE: 14-Apr-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/718,905  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Kitchell, Barbara S.  
REGISTRATION NUMBER: 33,928  
REFERENCE/DOCKET NUMBER: MOBT:003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
US-09-550-497-8

Query Match 31.6%; Score 24; DB 4; Length 8;  
Best Local Similarity 66.7%; Pred. No. 1.6e+05;  
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 YMRPVY 6  
II: II  
DB 1 YMKVEY 6

RESULT 17  
US-08-178-570-36  
Sequence 36, Application US/08178570  
Patent No. 5532167  
GENERAL INFORMATION:  
APPLICANT: Lewis C. Cantley  
APPLICANT: Zhou Song Yang  
TITLE OF INVENTION: Substrate Specificity of Protein Kinases  
NUMBER OF SEQUENCES: 77  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 STATE STREET, suite 510  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/178,570  
FILING DATE: JANUARY 7, 1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: DeConti, Giulio A., Jr.  
REGISTRATION NUMBER: 31,503  
REFERENCE/DOCKET NUMBER: BBI-004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-178-570-36

Query Match 31.6%; Score 24; DB 1; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 RPYVPTK 9  
III I I  
DB 2 RPYVSPCK 8

RESULT 18  
US-08-340-283-81

; Sequence 81, Application US/08340283  
; Patent No. 5861318  
; GENERAL INFORMATION:  
; APPLICANT: Elhammer, Ake P.  
; TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR  
; TITLE OF INVENTION: N-ACETYL GALACTOSAMINYLTRANSFERASE ACTIVITY  
; NUMBER OF SEQUENCES: 205  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pharmacia and Upjohn, Inc., Intellect. Prop. Law  
; ADDRESS: (1920-32-1)  
; STREET: 301 Henrietta Street  
; CITY: Kalamazoo  
; STATE: Michigan  
; COUNTRY: U.S.A.  
; ZIP: 49001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/340,283  
; FILING DATE:  
; CLASSIFICATION: 436  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wootton, Thomas A.  
; REGISTRATION NUMBER: 35,004  
; REFERENCE/DOCKET NUMBER: 4828  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (616) 385-7914  
; TELEFAX: (616) 385-6897  
; TELEX: 224401  
; INFORMATION FOR SEQ ID NO: 81:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: N-terminal  
; US-08-340-283-81

Query Match 31.6%; Score 24; DB 2; Length 9;  
Best Local Similarity 57.1%; Pred. No. 1.6e+05;  
Matches 4; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PVPYPTK 10  
||| |  
Db 1 PVLPTQS 7

RESULT 19  
US-08-369-643-36  
; Sequence 36, Application US/08369643A  
; Patent No. 6004757  
; GENERAL INFORMATION:  
; APPLICANT: Cantley, Lewis C.  
; APPLICANT: Songyang, Zhou  
; TITLE OF INVENTION: Substrate Specificity of Protein Kinases  
; FILE REFERENCE: CNS-001CP  
; CURRENT APPLICATION NUMBER: US/08/369,643A  
; CURRENT FILING DATE: 1995-01-06  
; EARLIER APPLICATION NUMBER: US 08/178,570  
; EARLIER FILING DATE: 1994-01-07  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 36  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence

; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:HIV Enhancer  
; OTHER INFORMATION: Binding Protein 2  
; US-08-369-643-36

Query Match 31.6%; Score 24; DB 3; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 RPYVPTK 9  
||| |  
Db 2 RPYSPGK 8

RESULT 20  
PCT-US95-00147-36  
; Sequence 36, Application PC/TUS9500147  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Substrate Specificity of Protein Kinases  
; NUMBER OF SEQUENCES: 88  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 STATE STREET, suite 510.  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/00147  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/178,570  
; FILING DATE: JANUARY 7, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DeConti, Giulio A., Jr.  
; REGISTRATION NUMBER: 31,503  
; REFERENCE/DOCKET NUMBER: BBI-004CPPC  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 36:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; PCT-US95-00147-36

Query Match 31.6%; Score 24; DB 5; Length 9;  
Best Local Similarity 71.4%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 RPYVPTK 9  
||| |  
Db 2 RPYSPGK 8

RESULT 21  
US-08-230-047-11  
; Sequence 11, Application US/08230047  
; Patent No. 5541109  
; GENERAL INFORMATION:  
; APPLICANT: Searfoss III, George H.  
; APPLICANT: Ivashchenko, Yuri D.

APPLICANT: Jave, Michael C.  
TITLE OF INVENTION: EXPRESSION CLONING OF C-SRC SH3 BINDING  
NUMBER OF SEQUENCES: 40  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Rhone-Poulenc Rorer Inc.  
STREET: 500 Arcola Road, 3C43  
CITY: Collegeville  
STATE: PA  
COUNTRY: USA  
ZIP: 19426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: System 7.1  
SOFTWARE: Word 5.0 (PatentIn)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/230,047  
FILING DATE: 19-APR-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Goodman, Rosanne  
REGISTRATION NUMBER: 32,534  
REFERENCE/DOCKET NUMBER: A1465-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (610) 454-3817  
TELEFAX: (610) 454-3808  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-230-047-11

Query Match 31.6%; Score 24; DB 1; Length 10;  
Best Local Similarity 44.4%; Pred. No. 2.7e+02;  
Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 PVYPTKTFP 12  
| | | | |  
Db 2 PAYPPPPVP 10

RESULT 22  
US-08-336-343A-26  
Sequence 26, Application US/08336343A  
Patent No. 5677144  
GENERAL INFORMATION:  
APPLICANT: Ullrich, Axel  
APPLICANT: Alves, Frauke  
TITLE OF INVENTION: CCK-2, A No. 5677144el Receptor Tyrosine Kinase  
NUMBER OF SEQUENCES: 43  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/336,343A  
FILING DATE: 08-NOV-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-065  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-336-343A-26

Query Match 31.6%; Score 24; DB 1; Length 11;  
Best Local Similarity 44.4%; Pred. No. 3e+02;  
Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 PVYPTKTFP 12  
| | | | |  
Db 1 PAYPPPPVP 9

RESULT 23  
US-09-075-257A-5  
Sequence 5, Application US/09075257A  
Patent No. 6074645  
GENERAL INFORMATION:  
APPLICANT: DIAMOND, DON JEFFREY  
APPLICANT: YORK, JOANNE  
TITLE OF INVENTION: IMMUNO-REACTIVE PEPTIDE CTL EPITOPES  
OF HUMAN CYTOMEGALOVIRUS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BART G. NEHLAND  
STREET: 555 13TH STREET, NW SUITE 701E  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/075,257A  
FILING DATE: 11-MAY-1998  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 09/021,298  
FILING DATE: 10-FEB-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/950,064  
FILING DATE: 14-OCT-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/747,488  
FILING DATE: 12-NOV-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: NEHLAND, BART G  
REGISTRATION NUMBER: 31,282  
REFERENCE/DOCKET NUMBER: 1954-112CP3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-783-6040  
TELEFAX: 202-783-6031  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 11 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: Internal



US-09-075-257A-5

Query Match 31.6%; Score 24; DB 3; Length 11;  
Best Local Similarity 80.0%; Pred. No. 3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 VYPTK 9

I:||||

Db 2 VPPTK 6

RESULT 24

US-08-652-877-23

; Sequence 23, Application US/08652877

; Patent No. 6187548

; GENERAL INFORMATION:

; APPLICANT: Akerstrom, Goran

; APPLICANT: Juhlin, Claes

; APPLICANT: Rask, Lars

; APPLICANT: Crumley, Gregg R.

; APPLICANT: Morse, Clarence C.

; APPLICANT: Murray, Edward M.

; APPLICANT: Hjaln, Goran

; TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments

; TITLE OF INVENTION: Thereof and DNA Encoding Same

; NUMBER OF SEQUENCES: 106

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Rhone-Poulenc Rorer Inc.

; STREET: 500 Arcola Rd., 3C43

; CITY: Collegeville

; STATE: PA

; COUNTRY: USA

; ZIP: 19426-0107

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Macintosh

; OPERATING SYSTEM: System 7.5.1

; SOFTWARE: Word 6.0 (Patentin)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/652,877

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US95/15203

; FILING DATE: 22-NOV-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/344,836

; FILING DATE: 23-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07-JUNE-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Savitzky, Martin

; REGISTRATION NUMBER: 29,699

; REFERENCE/DOCKET NUMBER: A1355E-US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 610-454-3816

; TELEFAX: 610-454-3808

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO

; FRAGMENT TYPE: internal

US-08-652-877-23

Query Match

31.6%; Score 24; DB 4; Length 11;

Best Local Similarity 44.4%; Pred. No. 3e+02;

Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 4 PVYPTKTFP 12

I:||||

Db 1 PAYPPPPVP 9

RESULT 25

US-08-476-515A-23

; Sequence 23, Application US/08476515A

; Patent No. 6239270

; GENERAL INFORMATION:

; APPLICANT: Akerstrom, Goran

; APPLICANT: Juhlin, Claes

; APPLICANT: Rask, Lars

; APPLICANT: Crumley, Gregg R.

; APPLICANT: Morse, Clarence C.

; APPLICANT: Murray, Edward M.

; APPLICANT: Hjaln, Goran

; TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments

; TITLE OF INVENTION: Thereof and DNA Encoding Same

; NUMBER OF SEQUENCES: 84

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Martin Savitzky

; STREET: Rhone-Poulenc Rorer Inc., 500 Arcola Rd.;

; STREET: 3C43,

; CITY: Collegeville

; STATE: PA

; COUNTRY: USA

; ZIP: 19426-0107

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: Compaq PC

; OPERATING SYSTEM: Windows 95

; SOFTWARE: Word 7.0 (Patentin)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/476,515A

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/344,836

; FILING DATE: 23-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: WO PCT/SE94/00483

; FILING DATE: 24-MAY-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: SE 9301764-8

; FILING DATE: 24-MAY-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Savitzky, Martin

; REGISTRATION NUMBER: 29,699

; REFERENCE/DOCKET NUMBER: A1355D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 610-454-3816

; TELEFAX: 610-454-3808

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 11 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; HYPOTHETICAL: NO

; FRAGMENT TYPE: internal

US-08-476-515A-23

Query Match

31.6%; Score 24; DB 4; Length 11;

Best Local Similarity 44.4%; Pred. No. 3e+02;

Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Db \* 1 PAYPPPPVP 9

RESULT 26  
US-09-534-639-5  
; Sequence 5, Application US/09534639  
; Patent No. 6251399  
; GENERAL INFORMATION:  
; APPLICANT: Diamond, Don J  
; TITLE OF INVENTION: IMMUNO-REACTIVE PEPTIDE CTL EPITOPES OF HUMAN  
; FILE REFERENCE: 1954-343  
; CURRENT APPLICATION NUMBER: US/09/534,639  
; CURRENT FILING DATE: 2000-03-27  
; EARLIER APPLICATION NUMBER: 09/075,257  
; EARLIER FILING DATE: 1998-05-11  
; EARLIER APPLICATION NUMBER: 09/021,298  
; EARLIER FILING DATE: 1998-02-10  
; EARLIER APPLICATION NUMBER: 08/950,064  
; EARLIER FILING DATE: 1997-10-14  
; EARLIER APPLICATION NUMBER: 08/747,488  
; EARLIER FILING DATE: 1996-11-12  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Human Cytomegalovirus  
US-09-534-639-5

Query Match 31.6%; Score 24; DB 4; Length 11;  
Best Local Similarity: 80.0%; Pred. No. 3e+02;  
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 VYPTK 9  
|:|:|  
Db 2 VFPTK 6

RESULT 27  
US-08-219-878A-3  
; Sequence 3, Application US/08219878A  
; Patent No. 5473054  
; GENERAL INFORMATION:  
; APPLICANT: Bradford A. Jameson and Renato Baserga  
; TITLE OF INVENTION: IGF-1 Analogs  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn  
; ADDRESSEE: Kurtz Mackiewicz & No. 5473054rls  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/219,878A  
; FILING DATE: 30-MAR-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/881,524  
; FILING DATE: 08-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mark Deluca  
; REGISTRATION NUMBER: 33,229  
; REFERENCE/DOCKET NUMBER: TJU-1240

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-3100  
; TELEFAX: (215) 568-3439  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-219-878A-3

Query Match 31.6%; Score 24; DB 1; Length 12;  
Best Local Similarity 40.0%; Pred. No. 3.3e+02;  
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YMRPVYPTK 10  
|:|:|  
Db 2 YAAPLKPAKS 11

RESULT 28  
US-08-602-999A-268  
; Sequence 268, Application US/08602999A  
; Patent No. 6184205  
; GENERAL INFORMATION:  
; APPLICANT: SPARKS, Andrew B.  
; APPLICANT: KAY, Brian K.  
; APPLICANT: THORN, Judith M.  
; APPLICANT: QUILLIAM, Lawrence A.  
; APPLICANT: DER, Channing J.  
; APPLICANT: FOWLKES, Dana M.  
; APPLICANT: RIDER, James E.  
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
; TITLE OF INVENTION: ISOLATING AND USING SAME  
; NUMBER OF SEQUENCES: 467  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/602,999A  
; FILING DATE: 16-FEB-1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hirstock, S. Leslie  
; REGISTRATION NUMBER: 18,872  
; REFERENCE/DOCKET NUMBER: 1101-202  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 268:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
US-08-602-999A-268

Query Match 31.6%; Score 24; DB 4; Length 12;  
Best Local Similarity 44.4%; Pred. No. 3.3e+02;  
Matches 4; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 4 PVYPTKTFP 12

Db 3 PAYPPVP 11

## RESULT 29

PCT-US93-04329-3  
; Sequence 3, Application PC/TUS9304329  
; GENERAL INFORMATION:  
; APPLICANT: Bradford A. Jameson and Renato Baserga  
; TITLE OF INVENTION: IGF-1 Analogs  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Woodcock Washburn  
; ADDRESSEE: Kurtz Mackiewicz & Norris  
; STREET: One Liberty Place - 46th Floor  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19103

COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: WORDPERFECT 5.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/04329  
FILING DATE: 19930507  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/881,524  
FILING DATE: 08-MAY-92,  
ATTORNEY/AGENT INFORMATION:  
NAME: Mark DeLuca  
REGISTRATION NUMBER: 33,229  
REFERENCE/DOCKET NUMBER: TJU-0649  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 568-3100  
TELEFAX: (215) 568-3439  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12  
TYPE: AMINO ACID  
TOPOLOGY: linear  
PCT-US93-04329-3

Query Match 31.6%; Score 24; DB 5; Length 12;  
Best Local Similarity 40.0%; Pred. No. 3.3e+02;  
Matches 4; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YMRPVYPTKT 10  
Db 2 YAAPLKPAKS 11

## RESULT 30

US-08-346-455B-32  
; Sequence 32, Application US/08346455B  
; Patent No. 5731167  
; GENERAL INFORMATION:  
; APPLICANT: UNITED STATES OF AMERICA; DEPT.  
; APPLICANT: OF HEALTH AND HUMAN SERVICES  
; TITLE OF INVENTION: MOTILITY STIMULATING  
; TITLE OF INVENTION: PROTEIN USEFUL IN CANCER DIAGNOSIS AND  
; TITLE OF INVENTION: THERAPY  
; NUMBER OF SEQUENCES: 69  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: U.S.A.  
; ZIP: 10154

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/346,455B  
FILING DATE: 28-NOV-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06613  
FILING DATE: 24-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/249,182  
FILING DATE: 25-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/822,043  
FILING DATE: 17-JAN-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36,434  
REFERENCE/DOCKET NUMBER: 2026-4149PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-346-455B-32

Query Match 31.6%; Score 24; DB 1; Length 13;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 TEPN 13  
Db 1 TFPN 4

Search completed: January 31, 2002, 15:00:15  
Job time: 170 sec

